

## **SENIOR TRAFFIC ENGINEERING ANALYST**

### **DISTINGUISHING FEATURES**

The fundamental reason the Senior Traffic Engineering Analyst exists is to perform highly technical engineering work and interact directly with citizens regarding a variety of issues in the Transportation Department. This classification may or may not supervise. Work is performed with considerable independence and judgment through management by the Traffic Engineering Director. Senior Traffic Engineering Analyst is distinguished from the Traffic Engineering Analyst by the complexity of the programs managed.

### **ESSENTIAL FUNCTIONS**

Studies and analyzes major operational traffic issues and recommends innovative solutions. Must be able to translate technical material into a language easily understood by the public. Acts as the project manager for a variety of projects.

Responsible for on-going development and implementation of the neighborhood traffic management program. This program provides a direct response and process for citizens to follow regarding obtrusive traffic in their neighborhood. Must be able to quickly determine whether or not a problem is a neighborhood or network issue.

Project manager for traffic impact and mitigation analysis process (TIMA). There will be immediate contact and collaboration with the Planning Department and the Citizen and Neighborhood Resources Department as part of the plan review and development processes.

Helps to streamline the processes, provide professional advice, train staff and maintain a collaborative relationship with the staff in the Planning Systems Department. Apprises stakeholders of changes in national standards, changes in local standards, shifts in citizen attitudes and provide advice regarding program integration. Also responsible for the administration of the TIMA contract. May conduct in-depth traffic impact analyses.

Development of performance measures that are used as one of the Transportation Department decision-making tools. The performance measures will be used to determine how well the transportation system is able to move people and goods. A key component will be integrating the neighborhood traffic management program with other congestion management programs.

Direct and indirect management of professional engineers and technical engineering staff

Direct contact with members of the public, City Council and other City Departments. Makes presentations and represents the City in public, Transportation Commission and City Council meetings on matters relating to Traffic Engineering. Must deal in areas where there may be conflict and stakeholders with different interests.

Occasionally responsible for items such as citizen requests for traffic signal warrant studies, speed limit studies, left-turn warrant studies and other studies relating to traffic flow and congestion. Undertakes accident analyses, capacity improvement project reviews, traffic control planning, school traffic safety and policy planning efforts.

Provides a qualified backup for the Traffic Engineering Director position.

## **MINIMUM QUALIFICATIONS**

### **Knowledge, Skills, and Abilities**

#### Knowledge of:

- Principles, practices, and methods used in traffic engineering.
- Development related issues.
- Federal, State, and local traffic laws, and regulations.

#### Ability to:

- Operate a variety of standard office equipment, including a personal computer that requires continuous and repetitive eye, arm or hand movement.
- Communicate clearly and directly with a variety of stakeholders
- Manage projects.
- Lead team activities.
- Manage a team of highly skilled technical employees
- Organize and conduct traffic surveys, analyze results, and make recommendations on traffic problems
- Read maps and plans
- Comprehend and make inferences from written materials
- Deal effectively with community-oriented issues
- Establish and maintain effective working relationships with co-workers, supervisors, City officials, and the general public
- Maintain regular attendance and punctuality.

### **Education & Experience**

A Bachelor's degree in Traffic Engineering, Civil Engineering or a closely related field; and four to seven years professional level experience in Traffic Engineering. Must possess a valid Arizona's driver's license without any major violations in the last 39 months.

FLSA Status: Exempt

HR Ordinance Status: Unclassified